

Water Stills are carefully designed to produce high purity pyrogen free distilled water.

New

Unit consist of :

- Horizontal type boiler borosilicate glass
- Condenser
- Constant level device
- Silica sheathed (Quartz) heater
- With stand and clamp etc

Key Features :

- Borosilicate condenser and boiler are fitted with a removable silica sheathe (Quartz) heater.
- Distillate temperature is around 65 to 75°C which is ensured by an efficient condenser.
- The stand is powder coated for rust free operation and lustrous appearance.
- The unit automatically switches off if water level in the boiler falls below heater.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Drain nozzle/Teflon stop cork is provided for easy cleaning and maintenance.
- The model is equipped with in-built temperature switch to protect the Glass parts in case of water failure or overheating.



Single stage, water distillation, all glass, horizontal model with inbuilt safety cutoff

Item Code	Output Capacity Ltr / Hr	Pack of
GLWS15SG	1.5	1
GLWS25SG	2.5	1
GLWS40SG	4	1



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Spares for above Distillation unit

Item Code	Output Capacity Ltr./Hr	Description	Pack of
GLWS-SH-15BCS	1.5	Boiling Chamber with Leveller	1
GLWS-SH-25BCS	2.5	Boiling Chamber with Leveller	1
GLWS-SH-40BCS	4	Boiling Chamber with Leveller	1
GLWS-SH-15BCC	1.5	Coil Condenser	1
GLWS-SH-25BCC	2.5	Coil Condenser	1
GLWS-SH-40BCC	4	Coil Condenser	1
GLSI-SH-HS15	1.5	Silica Sheathed (Quartz) Heater	1
GLSI-SH-HS25	2.5	Silica Sheathed (Quartz) Heater	1
GLSI-SH-HS40	4	Silica Sheathed (Quartz) Heater	1

Double Stage, Water Distillation all Glass Horizontal Model with inbuilt safety cutoff *New*



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Item Code	Output Capacity Ltr / Hr	Pack of
GLWS15DG	1.5	1
GLWS25DG	2.5	1
GLWS40DG	4	1

Spares for above Distillation unit

Item Code	Output Capacity Ltr./Hr	Description	Pack of
GLWS-SH-15BCS	1.5	Boiling Chamber with Leveller	1
GLWS-SH-25BCS	2.5	Boiling Chamber with Leveller	1
GLWS-SH-40BCS	4	Boiling Chamber with Leveller	1
GLWS-SH-15BCC	1.5	Coil Condenser	1
GLWS-SH-25BCC	2.5	Coil Condenser	1
GLWS-SH-40BCC	4	Coil Condenser	1
GLSI-SH-HS15	1.5	Silica Sheathed (Quartz) Heater	1
GLSI-SH-HS25	2.5	Silica Sheathed (Quartz) Heater	1
GLSI-SH-HS40	4	Silica Sheathed (Quartz) Heater	1

Single Stage, Water Distillation, Quartz Boiler/Borosilicate Condenser, Vertical Model without safety cutoff *New*

Unit consist of :

- High purity quartz with inbuilt heater
- Bottom discharge joint for easy cleaning
- Spiral condenser is fitted on the boiler with receiving adapter
- Optional safety control unit provided

Conductivity	1. 0-1.5 uS/cm with Borosilicate Condenser 0.5-0.8 uS/cm with Quartz Condenser
Distilled Water Quality	Pyrogen Free
Distillate Temperature	50-60°C

* All Parameters are under standard test conditions

Advantages :

- Quartz can withstand very high temperature variation, thus it is thermal shock proof.
- Rust proof sturdy stand as base.

Key Features:

- Distillate is pyrogen free; also it is free of heavy metals.
- Low maintenance is required.
- Provides instant distilled water in less than one minute

Item Code	Output Capacity Ltr / Hr	Pack of
GLSD25BB	2.5	1
GLSD50BB	5	1
GLSD80BB	8	1
GLSD100BB	10	1



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Spares for above Distillation unit

Item Code	Output Capacity Ltr./Hr	Description	Pack of
GLSD-25-QBS	2.5	Quartz boiling chamber	1
GLSD-50-QBS	5	Quartz boiling chamber	1
GLSD-80-QBS	8	Quartz boiling chamber	1
GLSD-100-QBS	10	Quartz boiling chamber	1
GLSD-25-BCC	2.5	Borosilicate Coil Condenser	1
GLSD-50-BCC	5	Borosilicate Coil Condenser	1
GLSD-80-BCC	8	Borosilicate Coil Condenser	1
GLSD-100-BCC	10	Borosilicate Coil Condenser	1

Accessories for above Distillation unit

Item Code	Output Capacity Ltr./Hr	Description
GLSI-SCU-1	2.5 & 5	Safety Cut-off Device
GLSI-SCU-2	8 & 10	Safety Cut-off Device

Single Stage, Water Distillation, Quartz boiler & Quartz condenser, vertical model without safety cutoff *New*



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Item Code	Output Capacity Ltr / Hr	Pack of
GLSD25AQ	2.5	1
GLSD50AQ	5	1
GLSD80AQ	8	1

Spares for above models :

Item Code	Output Capacity Ltr./Hr	Description	Pack of
GLSD-25-QBS	2.5	Quartz Boiler	1
GLSD-50-QBS	5	Quartz Boiler	1
GLSD-80-QBS	8	Quartz Boiler	1
GLSD-25-QCC	2.5	Quartz Coil Condenser	1
GLSD-50-QCC	5	Quartz Coil Condenser	1
GLSD-80-QCC	8	Quartz Coil Condenser	1

Accessories for above Distillation unit

Item Code	Output Capacity Ltr./Hr	Pack of
GLSI-SCU-1	2.5 & 5	Safety Cut-off Device
GLSI-SCU-2	8	Safety Cut-off Device

All Quartz, Double Stage, Water Distillation Unit, Vertical Model, including Safety cutoff *New*

Unit has been designed keeping in view customer requirements and easy serviceability of the equipment.

Unit consists of :

- Lower boiler with inbuilt heater enclosed in a quartz boiler with a cup on top.
- Demountable upper boiler with built in quartz coil and condensing unit mounted on the boiler with the help of ball and socket joint
- Double walled condenser ensures separate condensation of vapours coming from the two boilers using a single cooling circuit
- Unit mounted on a specially designed metal stand and is also provided with automatic safety Control Unit.

Double Distillate Quality

Parameters	Values
Specific Conductivity	0.1 us/cm
Biological Activity (distillate quality)	Pyrogen Free
Organic Matter	Nil
Total Solids	0.1 mg/ltr

* We recommend a Quartz Reservoir For storage of High purity water.

* All Parameters are under standard test conditions

Item Code	Output Capacity Ltr / Hr	Pack of
GLDD15AQ	1.5	1
GLDD25AQ	2.5	1
GLDD40AQ	4	1
GLDD50AQ	5	1



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Spares for above models :

Item Code	Output Capacity Ltr./Hr	Description	Pack of
GLDD-15AQ-PB	1.5	Quartz Primary Boiler	1
GLDD-25AQ-PB	2.5	Quartz Primary Boiler	1
GLDD-40AQ-PB	4	Quartz Primary Boiler	1
GLDD-50AQ-PB	5	Quartz Primary Boiler	1
GLDD-15AQ-SC	1.5	Quartz Secondary Boiler	1
GLDD-25AQ-SC	2.5	Quartz Secondary Boiler	1
GLDD-40AQ-SC	4	Quartz Secondary Boiler	1
GLDD-50AQ-SC	5	Quartz Secondary Boiler	1
GLSI-SCU-15AQ	1.5	Safety Cut-off Device	1
GLSI-SCU-25AQ	2.5	Safety Cut-off Device	1
GLSI-SCU-40AQ	4	Safety Cut-off Device	1
GLSI-SCU-50AQ	5	Safety Cut-off Device	1

Water Distillation

Advantages of Demountable Model :

- Easy cleaning of the first boiler since it can be dismantled from the assembly
- Ease of interchangeability as it is provided with ball & Socket joint
- Boiler and condenser have larger boiling space resulting in balanced boiling and improved quality of distillate Compact and easy to install
- Dual safety Power Cut-off System included in distillation unit price
- New Design of Safety Cut-off System with Dual Safety & Microprocessor Control
- New dual - safety cut off provides accurate values
- Microprocessor Controlled
- LCD Display
- Audible alarm for unsupervised operation

NOTE : ***pH electrodes will NOT give accurate pH values in distilled or de-ionized water. This is because distilled and de-ionized water do not have enough ions present for the electrode to function properly. The readings will drift and be essentially meaningless. In practice, however, most distilled water will have a pH that is slightly acidic (less than 7.0) due to the presence of carbon dioxide (CO₂) that is absorbed from the atmosphere. Dissolved carbon dioxide reacts slowly with water to give the bicarbonate and hydronium ions.

AUTOMATIC WATER DISTILLATION UNIT (CABINET STILL) *New*

Key Features :

- Fully automatic water distillation equipment
- Can be used in research laboratories, hospitals etc
- Made from 3.3 exp borosilicate glass.
- Provides accurate values
- Microprocessor controlled
- LCD display
- Audible alarm for unsupervised operation
- Replaceable silica sheathed (Quartz) heater: fitted on horizontal jacket
- Distillate temperature is around 25 to 45°C ensured by an efficient condenser.
- Metal stand is painted for rust free operation and lustrous appearance.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Fuse is provided for safety in case of voltage fluctuation or short circuit.
- Boiler is provided with Teflon screw cork for easy draining and cleaning of boiling chamber.
- The front cover is easily removable making the access to the glass parts very easy.
- Electrical Power: 220/240 V, 50/60Hz, Single Phase Supply.



Additional In-built Safety Features:

- Gate Valve: Conserves cooling water wastage in case of power failure.
- Flow Switch: Additional in-built safety feature for the equipment unit shut off in case of cooling water failure.
- Temperature switch: The boiler is equipped with a safety temperature switch which shuts off the unit if water level in the boiler falls below the heater, thus saving the glass parts from any damages.
- Level Sensor: It shuts off the distillation equipment if the water level in the boiler falls below the heater.
- Reservoir Level Sensor: this helps in automatic working of the water distillation equipment. Depending on the water level in the reservoir it will automatically switch On/Off the equipment, thus saving energy. (Reservoir can also be provided with a storage capacity of 5 ltr, 10 ltr & 20 ltr made of Borosilicate Glass or polypropylene)

Automatic water distillation unit, cabinet still

Item Code	Output Capacity Ltr / Hr	Type	Pack of
GLCM20S	2	Single Stage	1
GLCM40S	4	Single Stage	1
GLCM20D	2	Double Stage	1
GLCM40D	4	Double Stage	1



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Spares for above Distillation unit

Item Code	Output Capacity Ltr./Hr	Description	Pack of
GLCM-20BCS	2	Boiling Chamber with Leveller for GLCM-20S &GLCM-20D	1
GLCM-40BCS	4	Boiling Chamber with Leveller for GLCM-40S &GLCM-40D	1
GLCM-20BCC	2	Coil Condenser for GLCM-20S & GLCM-20D	1
GLCM-40BCC	4	Coil Condenser for GLCM-40S & GLCM-40D	1

Accessories for above Distillation unit

Item Code	Output Capacity Ltr./Hr	Description	Pack of
GLSI-SH-HS	2	Silica Sheathed (Quartz) Heater for GLCM-20S, GLCM-40S, GLCM-20D & GLCM-40D	1

Water Softener *New*



Prominent feature :

- Softens the hard water and provides good quality water for use in laboratories.
- Remove all the calcium and magnesium ions in hard water and the soft water thus obtained liquid has hardness less than 5 ppm as CaCO.
- Specially designed for easy serviceability and recharging the resin with sodium chloride solution.
- Softened water can be used as feed water to the Distillation Units.
- Use of hard water in boilers, would leave the boiler with a lot of scaling and sedimentation, hence to improve the quality of the distillate and for longer life of the glass/quartz boilers, it is recommended to use softened water.



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Item Code	Description	Pack of
GI000200	Water Softener	1